



## Montana Department of Transportation

PO Box 201001  
Helena, MT 59620-1001

### Memorandum

To: Ryan Dahlke, P.E.  
Consultant Design Engineer

From: Bryan L. Miller, P.E. *BLM*  
Consultant Plans Engineer

Date: January 12, 2017

Subject: STPP 48-1(31)2  
Hardin – North (North Section)  
UPN 4064001  
Work Type 130 - Reconstruction – with added capacity



The Montana Department of Transportation certifies that in accordance with the requirements of 23 CFR 635.411(a), the use of Waterman C10 Canal Gates and Waterman Alfalfa Valves and Hydrants is essential for the synchronization with existing facilities.

### Justification

The Low Line Canal Company provides the majority of the irrigation waters along the project. The Low Line Canal Company has requested the use of Waterman C-10 Canal Gates on this project. Additionally, over 90% of the existing canal gates located along the project are the Waterman brand. The benefit of utilizing this proprietary item on this project is the compatibility within the existing irrigation system.

Several landowners along the project corridor have been installing pressurized pipelines. As part of the pipeline systems, they have installed Waterman Alfalfa Valves and Hydrants. These two parts are specified in the hydrant assembly detail that has been developed for this project. The alfalfa valve is connected to the pressurized pipeline and serves as the valve that turns the water off and on. The hydrant is connected to the top of the alfalfa valve and is the operating mechanism to open and close the alfalfa valve. It is important that these items come from the same manufacturer because they are specifically designed to work together and the hydrants can be interchanged between alfalfa valves.

The benefits include:

- Familiarity with operation and maintenance needs.
- Interchangeable repair parts.

We will not extend the proprietary status of these items to subsequent projects without a separate evaluation.

Approved:   
Ryan Dahlke, P.E.  
Consultant Design Engineer

Date 1/17/2017

BLM:kbm:Certification Memo.doc

copies:

Stefan Streeter, District Administrator-Billings  
Suzy Price, Contract Plans  
Consultant Design Project File